

# ELECTRODES

FOR

## GALVANIC FARADIC

AND

## SINUSOIDAL TREATMENTS



Territorial Sales and Service Branch  
Peters Trust Bldg., 17th & Farnam Sts;  
**W. H. McCROSSIN, Mgr.**  
**OMAHA, NEBR.**

MANUFACTURED BY

## McIntosh Electrical Corporation

Successors to MCINTOSH BATTERY & OPTICAL CO., Est. 1879

Eastern Office and Service Station:  
405 Lexington Ave.  
New York

Main Office & Factory: MCINTOSH BLDG.  
223-233 N. California Ave., Chicago, Ill.,

## THE SELECTION OF ELECTRODES

The physician entering the field of electro-therapeutics finds the selection of suitable electrodes a rather perplexing problem, especially as some writers recommend the use for some favorite metal in almost every conceivable application. Neiswanger is partial to copper, Massey holds fast to zinc, and Martin is a strong advocate of platinum. The matter really resolves itself to the question, "Shall the particular electrode be soluble or insoluble?" in other words, shall it be immune or subject to the electrolytic decomposition which takes place at the positive pole.

THE POSITIVE POLE of the galvanic current liberates and attracts the atoms of oxygen and chlorine found in the fluids of the body which attack the metal composing the electrode; and if it be one of the baser metals, such as copper, zinc, or iron, a salt is readily formed; this constituting the oxychloride of the respective metal.

THE NEGATIVE POLE gives rise to no such decomposition as takes place at the positive and therefore the metal used is not an important factor; although nickel-plated instruments are usually utilized for special applications with this pole, because they do not tarnish or rust.

THE FARADIC CURRENT has no chemical properties and the metal utilized is not an essential item, although nickel-plating is preferred.

THE SINUSOIDAL CURRENT lays no claim to any special polar effects and accommodates itself to the form of electrode most readily available.

COPPER, ZINC AND IRON are used largely for their antiseptic and astringent properties and the former is in popular favor at the present day. A copper electrode is valuable for metallic electrolysis at the positive pole and is useful on the negative pole or with the faradic current.

NICKEL-PLATED ELECTRODES are designed especially for use with the faradic current or the negative pole in galvanism, and should on no account be employed on the positive pole, as the plating would be stripped; this also applies to gold-plated needles, for, it will be recollect, gold is subject to the influence of chlorine.

BLOCK-TIN, PLATINUM AND CARBON are capable of withstanding the action of the positive pole, being unaffected by either chlorine or oxygen; and therefore may be utilized where the effects of this pole are desired in cases where the application of metallic salts is not indicated. Platinum is very costly and carbon is brittle and hard to work, but block-tin is more practical, as the cost is not prohibitive and it is easy of adaptation.

VAGINAL AND INTRA-UTERINE ELECTRODES are always best of copper, except for faradization or dilating, when nickel-plating is preferable.

RECTAL ELECTRODES are usually more desirable in copper, as the treatment of hemorrhoids demands this particular metallic salt.

ABDOMINAL ELECTRODES are preferably composed of a block-tin plate with a suitable covering.

URETHRAL ELECTRODES, if required solely for the treatment of stricture, should be nickel-plated, but for the treatment of gleet and kindred ailments copper is indicated.

EYE, EAR, NOSE AND THROAT ELECTRODES are largely called for in copper, but in cases where the faradic or sinusoidal currents are to be employed, nickel-plating is more desirable.

EPILATING ELECTRODES OR NEEDLES are usually of steel, as the negative pole is most commonly employed for this purpose.

AS A SUMMARY it might be said that copper is a very serviceable, all-round metal, and can occasionally be replaced by zinc or iron; but nickel-plated instruments are in a class of their own, and are unexcelled for certain special applications.

NOTE—All prices in this Bulletin are net 30 days, delivery F. O. B. Chicago, excepting that a discount of 5% will be allowed where cash accompanies the order.

## ADJUSTABLE CORD TIPS AND UNIVERSAL CONNECTORS



Fig. 6500



Fig. 6504



Fig. 6501



Fig. 6502



Fig. 6503



Fig. 6510



Fig. 6505



Fig. 8215



Fig. 6506



Fig. 6507



Fig. 8215

The above connectors form a handy means of making various connections between McIntosh apparatus or electrodes and other makes of apparatus or electrodes. The McIntosh adjustable cord tip has been adopted as standard by most manufacturers as it was the first in the field, although some makers of apparatus still use a different size of tip.

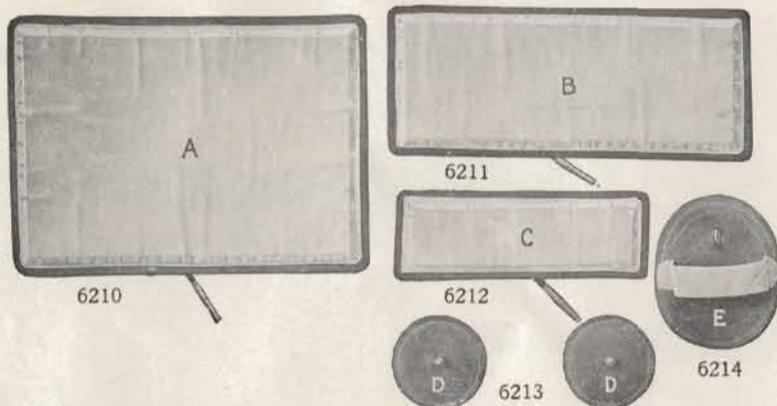
The Nos. 6504 and 6505 are very convenient for improvising electrodes of block-tin, alloy or other sheet metal.

	Code Word
Fig. 6500. Adjustable Cord Tips, per pair.....	\$0.30 Eagle
Fig. 6501. McIntosh Universal Cord Tip Connector, each.....	.40 Earth
Fig. 6502. Double Connector for wires and cord, each.....	.40 Ebb
Fig. 6503. Universal Electrode Connector to connect cord tips, each.....	.40 Echu
Fig. 6504. Dr. Herdman's Connector for attaching conducting cord to sheet metal, each .....	.40 Edwin
Fig. 6505. Dr. Herdman's Connector for connecting two conducting cords or attaching to sheet metal, each.....	.40 Effect
Fig. 6506. Handy Connector for connecting adjustable cord tips with the clamp form of binding posts, each.....	.40 Edison
Fig. 6507. Connector for attaching two conducting cords to one binding post, each	.75 Evolve
Fig. 6510. Adapter to fit McIntosh High Frequency Handle with 1/4 inch shank to attach any McIntosh Electrode having a screw terminal with 9-36 thread, such as the No. 6050, No. 6068, No. 6007, No. 6126, etc., permitting these electrodes to be used for high frequency application.....	.60 Elude
Fig. 6511. Adapter to fit high frequency handles of other makes having a 5/8 inch shank, to be used same as above.....	.60 Enact
Fig. 8215. Morse Spring Clip Connector to connect cord tips to any size of sheet metal, mesh gauze, etc.....	.25 Hovey
Fig. 10059. Block-tin alloy No. 22 gauge for improvising surface electrodes, per pound .....	.75 Able
(This material comes in rolls 12 inches wide and one pound measures 12 inches wide by 8 inches long.)	
Fig. 10048. Conducting cords, cotton covered, with McIntosh adjustable cord tips, 6 feet long, per pair.....	1.00 Alloy
Fig. 10049. Conducting cords, cotton covered, addition per pair for every two feet added .....	.20
Fig. 10050. Conducting cord, cotton covered, per yard.....	.15 Amber
Fig. 10080. Maroon and Blue, 6 ft. Silk Covered Conducting Cords, extra heavy insulation, per pair.....	1.50 Albin
Fig. 10081. Heavy Silk Covered Bifurcated Conducting cord 6 ft. long, a great convenience to connect one cord with two electrodes, price.....	1.00 Alert
Fig. 10082. Extra Heavy Silk Covered Conducting Cord, Maroon or Blue, per yard	.25 Aiden

## "KANTBERN"

(Trademark Reg. U. S. Pat. Off.)

### ASBESTOS PAD ELECTRODES



Composed of asbestos filling covered with strong cotton mesh with flexible metal conductors with high grade sheet rubber backs. Asbestos is the best substitute for clay, eliminating the annoyance or inconvenience of that substance. Absorbs and retains moisture better than any other material and is the least irritating.

#### Code Word

Fig. 6210. Abdominal or General Purpose Pad. Size, 8 x 10 inches.  
Price ..... \$ 4.50 Ezra

An excellent means of applying abdominal massage with the slow sinusoidal or surging sinusoidal current to the abdomen; using No. 6211 Lumbar Pad placed crosswise under the lumbar region. A small bag of sand or shot may be used to weight the abdominal pad in position.

Fig. 6211. Lumbar Pad. Size, 4 x 10 inches. Price..... 3.50 Eugenie

Employed by Dr. Ireland for treatment of lumbago with negative galvanism and salicylate of soda cataphorically with patient lying prone upon the positive abdominal pad.

Fig. 6212. Perineal Pad. Size, 2 x 8 inches. Price..... 2.00 Event

Designed for treatment of pruritis with negative iodine cataphoresis (galvanism) with No. 6212 (positive) to abdomen. Affected parts must be thoroughly cleansed before treatment to avoid undue irritation.

Fig. 6213. Asbestos-Covered Discs, 3½ inches in diameter, encased in muslin; designed to take the place of the ordinary felt discs supplied with most apparatus. Attachable to McIntosh No. 1 Universal Wooden Handles. Price, per pair, without handles... 1.50 Estate

Fig. 6217. Price, including No. 1 Wooden Handles..... 2.25 Error

Fig. 6214. Asbestos-Covered Oval Pad, 3 x 5 inches, with heavy sheet rubber cover with strap to attach to hand for manual massage of the abdomen or other parts. Price..... 1.50 Escape

Fig. 6215. Complete Set Kantbern Asbestos Pad Electrodes..... 13.00 Elector

## PAD ELECTRODES



	Code Word
Fig. 6230. Kantbern Asbestos Pad Electrode, same style as described on page 4, size 2 x 3 inches.....	\$1.25 Esteem
Fig. 6231. Kantbern Asbestos Pad Electrode, size 3 x 5 inches.....	1.75 Elis
Fig. 6232. Kantbern Asbestos Pad Electrode, size 4 x 6 inches.....	2.50 Emden
Fig. 6233. Kantbern Asbestos Pad Electrode, size 5 x 7 inches.....	3.00 Eddy
Fig. 6234. Kantbern Asbestos Pad Electrode, size 6 x 8 inches.....	3.50 Emmet
Fig. 6235. Kantbern Asbestos Pad Electrode, size 7 x 9 inches.....	4.00 Eclips
Fig. 6066. Dr. P. S. Hayes' Spongio-Piline Abdominal Electrode, 8 inches in diameter.....	2.00 Exile
Fig. 6030. Wrist or Arm Electrode.....	1.00 Etna
Fig. 6130. Neck Electrode.....	1.00 Envoy
Fig. 8340. Dr. Mel R. Waggoner's Bi-aural Electrode.....	3.75 Hull

An admirable form of self-retaining electrode for bi-aural treatment with galvanic, sinusoidal or the high frequency current, especially used by Dr. Waggoner in the treatment of catarrhal deafness with Diathermy. Note the screw terminals of electrode to which pledges of cotton are attached for each patient instead of the insanitary sponge tips. Also note the substantial screw clamp holding the members of the electrode firmly in position so that it does not slip out of the external meatus.

## HANDLES AND SURFACE ELECTRODES



6001



6540

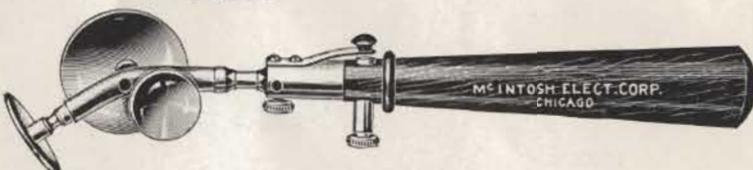
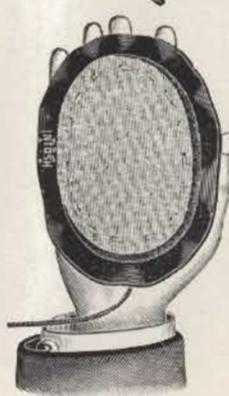


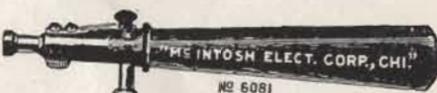
Fig. 6080



6087



6003



No. 6081



No. 6082

	Code Word
Fig. 6001. Universal Handles with spongio-covered discs, per pair.	\$1.50 Effuse
Fig. 6201. Universal Handles only, per pair.	.75 Egmont
Fig. 6301. Spongio Discs, per pair.	.75 Egypt
Fig. 6401. Universal Handle with set screw, per pair.	1.00 Epaulet
Fig. 6087. Universal Handle, with Interrupter, each.	1.25 Edify

May be used to interrupt galvanic current for nerve or muscle testing; or to interrupt the rapid sinusoidal current for eliciting spinal reflexes.

Fig. 6540. Metal Handles, nickel-plated, per pair.	1.00 Efficient
Fig. 6080. Electro-Diagnostic Set consisting of No. 6081 Handle with 3 discs for testing in cases of nerve injury.	5.00 End
Fig. 6081. Large Interrupting Handle 6 inches long. May be used either for interrupted current or continuous current according to which socket the cord tip is placed in, price.	3.50 Elam
Fig. 6082. Plain Handle, same style as No. 6081, without interrupter, price.	2.00 Eliot
Fig. 6003. Spongio-covered Electrode, insulated with soft rubber for general application with the hand.	1.25 Endure
Fig. 6052. Metallic Foot Plate, 9 inches square.	.60 Elbow
Fig. 6059. McLean Universal Electrode, 9 1/4 x 5 inches (flexible metal, to be covered with moist cotton or lint in use).	1.25 Explicit

NOTE! Many McIntosh electrodes are furnished with a cord tip socket which will receive the McIntosh adjustable cord tip. However, a number of electrodes are provided with a screw terminal to permit the electrode to be used with an insulated handle. Such electrodes can be screwed to the 6201 Universal Wooden Handle or to the No. 6082 Universal Handle; or can be attached to No. 6503 Connector.

## ELECTRODES FOR SPONDYLOTHERAPY

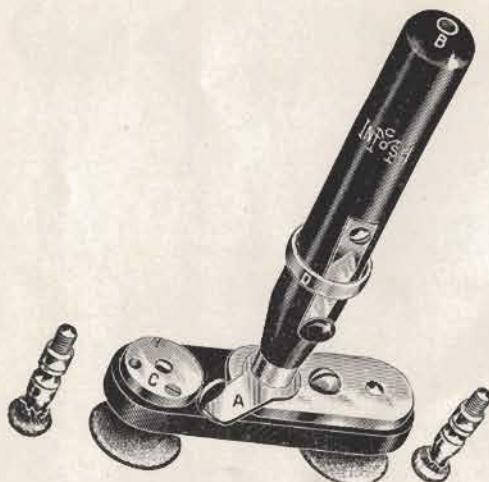


Fig. 6156

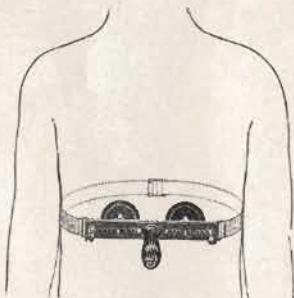


Fig. 6158

Fig. 6156. Spondylectrode ..... \$7.50

Used in eliciting the various reflexes of the spine according to the method described in "Spondylotherapy." The distance between the two electrode discs is just sufficient to span the spinous processes, covering the foraminae on each side.

When the little lever marked "A" connects the two metal plates together, and the conducting cord is attached to socket marked "B," the electrode is monopolar; while an indifferent pad must be applied elsewhere.

When the lever marked "A" is open, with one cord at "B" and one in socket "C," the electrode is bipolar. The current can be interrupted by means of the interrupter on handle, or can be made continuous by sliding the ring "D" down over the interrupter to hold it stationary.

Two small discs are provided for diagnostic effects and two larger discs for treatment. The user of a sinusoidal apparatus, whatever make, will find this an invaluable device for applying the current to the spine.

Fig. 6158. Dr. Roemer's Self-Retaining Spinal Electrode..... 7.50 Excess

In the application of the sinusoidal current according to Spondylotherapy, a self-retaining electrode will be found of great convenience, avoiding the tedium of having to hold the electrode in place. This electrode was designed by Dr. J. F. Roemer of Waukegan, Ill., and consists of a substantial fibre band, fitted with two metal plates, perforated with numerous holes to admit the stems of sponge disc electrodes and a neat handle and webbing band to fasten about the body. By fitting the discs to the holes nearest the center the electrodes are brought close together as for cervical application; while by moving them farther apart the spacing can be adjusted to suit the dorsal or lumbar vertebrae. This electrode is ideal for application beneath the inferior angles of the scapulae for inducing contraction of the abdominal muscles as in splanchoptosis, gastrophtosis, enteroptosis, etc., according to Kellogg's method. An interrupter is provided on the handle whereby the current can be broken at will, especially for the application of an intermittent rapid sinusoidal current. This electrode will be found of great convenience to all who own a sinusoidal apparatus and will save many minutes of valuable time.

Code Word  
Exhort

## ELECTRODES FOR MUSCULAR FARADIZATION, ETC.



Fig.	Description	Code Word
6102	Erb's Electrode. To be used with the faradic or rapid sinusoidal current, to small muscles as to the eye, and for testing for reaction of degeneration, etc.....	\$0.75
6026	Duchenne's Metallic Points, affording a highly concentrated form of electrode contact for muscular faradization.....	1.25
6017	Metallic Brush Electrode. For faradic application to the skin surface to increase circulation and to produce sedation in painful muscle areas.....	1.00
6032	Ball Electrode, each.....	.75
6033	Disc Electrodes. To be covered with gauze or gold beater skin and moistened. To be used with the faradic, rapid sinusoidal, or interrupted galvanic current, for testing for reaction of degeneration, for the treatment of atonic muscles, and for peripheral nerve stimulation, set of three.....	Elder Entopic
6033A	Large Disc Electrode.....	1.00
6033B	Medium Disc Electrode.....	.50
6033C	Small Disc Electrode.....	.50
6055	Esophageal Electrode, complete.....	.50
6089	Stomach Electrode .....	3.50

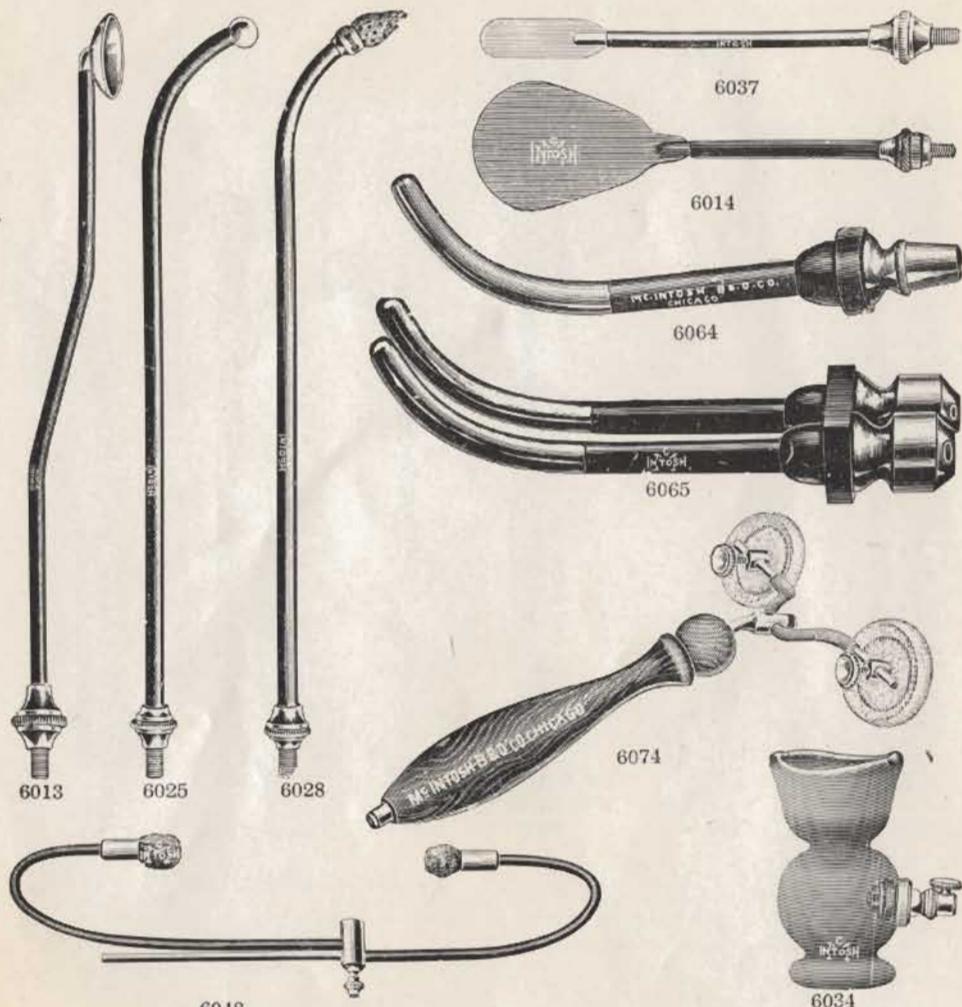
This electrode has a spiral inside, is very flexible and is insulated with soft rubber. It is 24 inches in length, and is furnished with four metal olives, sizes  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$  and  $\frac{3}{4}$  inch in diameter, which screw firmly on the distal end.

Fig. 6089. Stomach Electrode ..... 3.50 Emotion

For the application of Galvanism or Faradism within the Stomach or Rectum. This is a very flexible electrode, insulated with very smooth colon tube, the olive point being of hard rubber with perforations, so that the current only comes in contact with the mucous surface through an equeous medium previously injected.

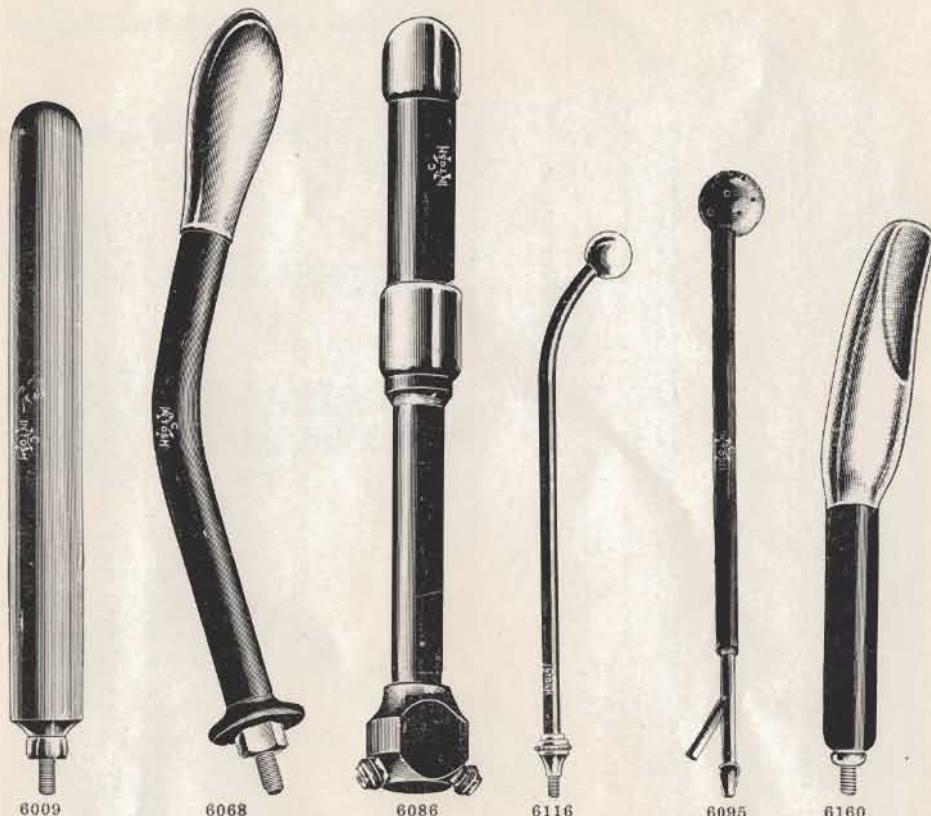
NOTE! Any of the above electrodes with screw terminal, such as No. 6102, No. 6017, No. 6032, etc., may be attached to a high frequency handle for high frequency treatment, by using Adapter No. 6510 or No. 6511.

## ELECTRODES FOR EYE, EAR, NOSE AND THROAT



	Code Word
Fig. 6074. Double Eye Sponge Electrode with Handle. For the application of the faradic or rapid sinusoidal current; for the treatment of atony of the muscles, or for treatment with positive galvanic current for congestion.	\$2.50 Essence
Fig. 6048. Double Ear Electrode. Insulated, with Sponge Tips. To be used with positive galvanic current for congestion and pain, or with rapid or surging sinusoidal for deafness.	2.00 Ergo
Fig. 6037. Small Eye Electrode, Copper. For the treatment of trachoma with the positive galvanic current producing cupric cataphoresis.	1.00 Esquite
Fig. 6034. Eye Cup Electrode. To be filled with cotton and medicated solutions as conductors of the positive galvanic current, for the treatment of congestion, etc.	2.00 Elgin
Fig. 6014. Copper Tongue Plate, Insulated. For the treatment of indolent ulcers and skin erosions by the application of the positive galvanic current, producing cupric cataphoresis. (See Neiswanger's "Electro Therapeutical Practice," figure 29, page 190).	1.00 Elope
Fig. 6064. Dr. Sharp's Single Copper Nasal Electrode. For the treatment of catarrh with the positive pole of the galvanic current.	2.25 Extract
Fig. 6065. Dr. Sharp's Double Copper Nasal Electrode.	4.50 Exude
Fig. 6013. Tonsil Electrode, nickel-plated.	2.00 Evade
Fig. 6025. Laryngeal Electrode, nickel plated, insulated.	1.50 Everett
Fig. 6028. Laryngeal Electrode, with sponge tip.	1.50 Entropy

## VAGINAL ELECTRODES



6009

6068

6086

6116

6095

6160

Fig. 6009. Vaginal Electrode, nickel-plated.	\$1.75	Eupoise
Fig. 6068. Curved Vaginal Electrode, nickel-plated, insulated, to be used for stimulation with the faradic wave or surging sinusoidal current.	3.00	Eschew
Fig. 6086. Dr. A. H. Goelet's Bipolar Vaginal Electrode, nickel-plated.	4.00	Euclid
Fig. 6116. Copper Ball Vaginal Electrode. For use with the positive galvanic current; for the treatment of menorrhagia. (See Neiswanger, figure 24.)	2.25	Eskimo
Fig. 6216. Zinc Ball Vaginal Electrode, for zinc-mercury amalgam cataphoresis.	3.00	Euchre
Fig. 6095. Neiswanger's Vaginal Cataphoric Electrode.	4.50	Epicure

It consists of a perforated copper ball, mounted on an insulated tube, fitted with nozzle and cord tip connection, affording a means of applying the oxy-chloride of copper together with a cataphoric dosage of a desired medicament. For the treatment of pyosalphinx with the positive galvanic current. (See Neiswanger, figure 30, page 191.)

Fig. 6160. Dr. White's Uterine Elevator Electrode..... 5.25 Eulogy

This electrode, when applied in connection with either a slow sinusoidal current or an intermittent rapid sinusoidal current, is a most valuable means of restoring prolapsed uteri and other forms of uterine mal-position to normal poise.

If the indifferent pad is placed over the second lumbar vertebra, the results will be better than if over the abdomen. The metal part is a solid aluminum casting, finely polished, while the insulated portion is hard rubber. It can be attached to the ordinary universal wooden handle.

## A GOOD LUBRICANT FOR ELECTRODES

Dr. C. S. Neiswanger of Chicago, the eminent electro-therapeutist, recommends the following as a most satisfactory lubricant and one that does not interfere with the action of the current:

Take 1 oz. of the best white gum tragacanth, put into a quart mason jar and add 1 pint of water and 1 pint of glyco-thymoline, or any other antiseptic solution; let stand until tragacanth is dissolved.

NOTE! Any of the above electrodes with screw terminal, such as No. 6009, No. 6068, No. 6160, etc., may be attached to a high frequency handle for high frequency treatment, by using Adapter No. 6510 or No. 6511.

## CERVICAL AND INTRA-UTERINE ELECTRODES



Fig. 6016. Cup-Shaped Electrode for Uterus. This electrode consists of an insulated stem supporting an insulated nickel-plated cup (to be filled with moist cotton and covered with gauze), and used to replace and support the prolapsed uterus while it and its attachments are being stimulated by the faradic or surging sinusoidal current. (See Neiswanger, figure 25, chapter XXV.)

Fig. 6094. Neiswanger's Cataphoric Cervix Electrode. This electrode consists of a perforated hard rubber ball surrounding a platinum terminal, which in use is covered with moist cotton. Has been used in treating lacerations of the cervix with Thiosinamin with gratifying results. \$4.00 Epistle

Fig. 6091. Fitzhugh's Copper Electrode. This electrode consists of an insulated stem supporting a copper disc, shaped to fit over the external os, for the treatment of erosions by copper cataphoresis with the positive galvanic current. 4.50 Espionage

Fig. 6119. Dr. Goldspohns' Copper Intra-Uterine Electrodes, per set of four, sizes 12 to 20, French. 3.50 English

Fig. 6219. Price, one only. 6.50 Epilogue  
For the treatment of cervical catarrh with the positive galvanic current. 1.75 Enlarge

(See Neiswanger, figure 22, page 190.)  
Fig. 6099. Neiswanger's Copper Intra-Uterine Electrodes, insulated tip and stem, per set of four. 6.50 Equipage

Fig. 6199. Price, one only. 1.75 Entourage  
To prevent concentration of current at the point of the electrode. For use with the positive galvanic current. (See Neiswanger, page 16.)

Fig. 6115. Goelst's Intra-Uterine Dilating Electrode, nickel plated. To be used with the negative galvanic or sinusoidal current. 3.25 Expedite

Fig. 6117. Goelst's Intra-Uterine Electrode, pure copper. For the treatment of the positive galvanic current. (See Neiswanger, chapter 7.) 3.50 Emulate

Fig. 6118. Goelst's Intra-Uterine Electrode composed of zinc. Used for zinc mercury amalgam cataphoresis, for escharotic effects in interuterine lesions, with the positive galvanic current. (See Neiswanger, chapter 7.) 4.50 Empire

NOTE! Any of the above electrodes with screw terminal, such as No. 6016 and No. 6091 may be attached to a high frequency handle for high frequency treatment by using Adapter No. 6510 or No. 6511.

## RECTAL ELECTRODES

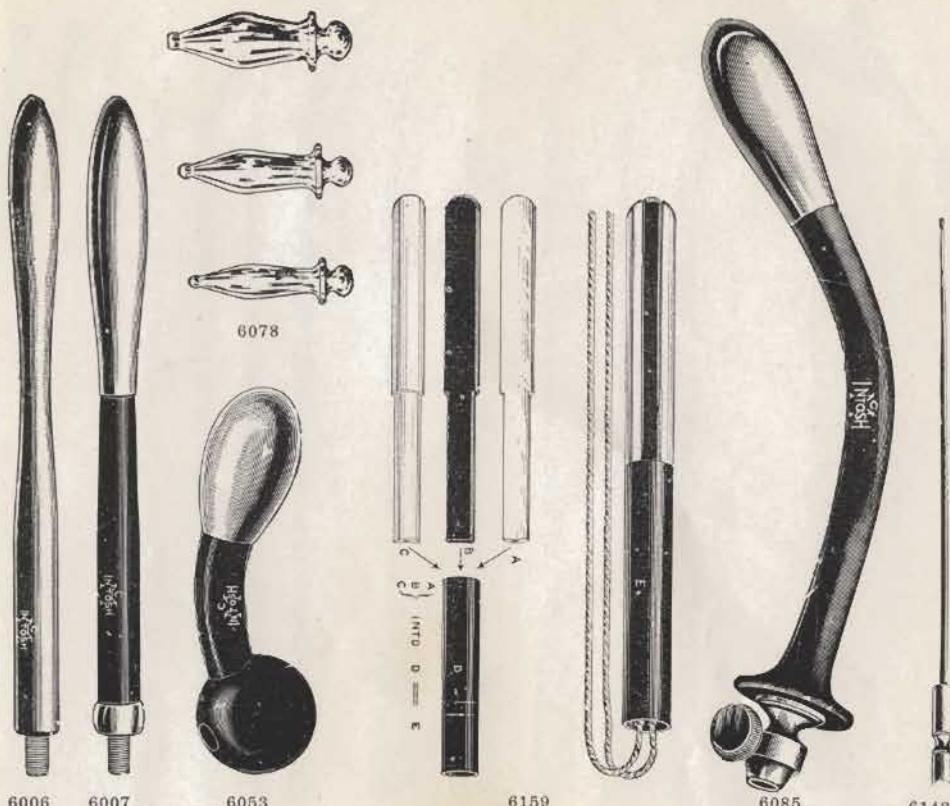
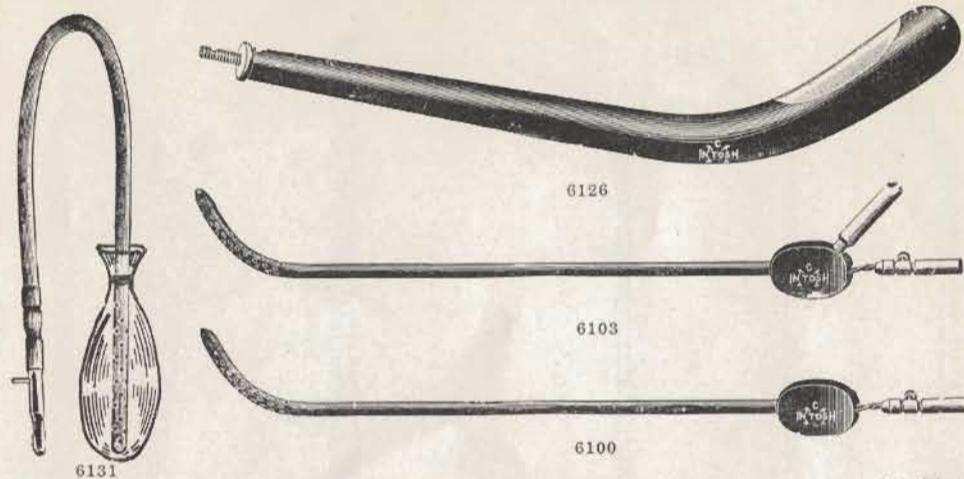


Fig. 6006. Rectal Electrode, nickel-plated. To be used with the surging sinusoidal or faradic wave current, to stimulate atonic colonic, or rectal muscles in the treatment of constipation.....	\$1.75	Ethics
Fig. 6007. Rectal Electrode, Insulated. Same as No. 6006 with insulated stem.....	2.00	Exemplar
Fig. 6053. Copper Rectal Electrode for Hemorrhoids. For the treatment of hemorrhoids with the positive galvanic current. (See Neiswanger, figure 26, chapter 24).....	3.00	Envy
Fig. 6078. Dr. Mel R. Waggoner's Rectal Dilators used with Rapid Sinusoidal Current for dilating sphincter muscle, set of 3 sizes with binding posts for electrical connection .....	5.00	Exalt
Fig. 6159. Dr. White's Bi-Polar Rectal Electrode. This electrode connected with the sinusoidal current affords powerful stimulation of the sacral sympathetic ganglia. It is invaluable in many pelvic disorders which are due to loss of tone of the sympathetic nervous system, such as constipation and allied conditions, uterine displacement, prostatic trouble, enteroptosis, etc.	6.00	Entrance
With this electrode the effects peculiar to "Official Surgery," such as flushing of the capillaries, are readily obtained by means of either the slow sinusoidal or the intermittent rapid sinusoidal current.		
The electrode comes apart for sterilizing, the cut showing manner in which it is re-assembled.		
Fig. 6085. Curved Rectal Electrode. To be used for high colonic or vaginal stimulation with the faradic wave or surging sinusoidal current.....	3.00	Eros
Fig. 6143. Copper Fistula Electrode. For the treatment of Fistulae with the positive galvanic current producing cupric cataphoresis, which has a powerful astringent and germicidal effect.....	.75	Expand

NOTE! Any of the above electrodes with screw terminal, such as No. 6006 and No. 6007 may be attached to a high frequency handle for high frequency treatment, by using Adapter No. 6510 or No. 6511.

## PROSTATIC ELECTRODES



Code Word

Fig. 6131. Neiswanger's Electrode for treating enlarged prostate gland and vesiculitis, including gold beater's bag..... \$4.00 Epsom

Fig. 6132. Extra Gold Beater's Skin Bags for No. 6131, each..... .75 Erase

This electrode has been successfully employed by Dr. C. S. Neiswanger for the application of heat and positive galvanism in prostatic treatment.

The technique in detail is as follows: Place the patient in Sims' position. Put a well wetted abdominal pad on the abdomen, held in position by the patient. Moisten gold beater's skin in water until thoroughly wet and lubricate well with anything not a non-conductor. Introduce the electrode into the rectum to cover the gland, or until the bag is out of sight, and attach to the anode of a constant current, the cathode being connected to the abdominal pad. Dissolve about a tablespoonful of salt in a pint of hot water and suspend in a fountain syringe about six feet from the floor. Never allow the bag to fill to its capacity. If you do, it may leak. Hold the rubber tube from syringe between the thumb and finger of the right hand and, with a watch in the left hand, allow the water to flow into the electrode five to six seconds. Turn on current from 40 to 50 milliamperes and maintain for ten minutes.

Fig. 6126. C. W. Bowen's Prostate Electrode. To be used with the Faradic Wave or Surging Sinusoidal Current, for massage of the prostate gland..... 6.00 Exempt

Fig. 6100. Neiswanger's Prostatic Cataphoric Electrode with galvanized iron wire applicator for making applications to the prostatic urethra, as shown in cut..... 3.25 Essay

Fig. 6100. Neiswanger's Cataphoric Electrode, same as 6100, with copper wire applicator, for application to entire urethra, with perforations covering full length of stem..... 4.00 Erebus

In a recent article on the Treatment of Hypertrophy of the Prostate, Strictures, etc., Dr. Neiswanger says:

"In treating prostatic enlargements by the former process of using iodine on the negative pole of the current, many difficulties were to be overcome and such care exercised in the technique that it was almost impossible for the physician not an expert electro-therapeutist to use it successfully. The improved method of cataphoric application of Thiosinamin, which was referred to in a recent article published in the 'American Journal of Clinical Medicine,' is much simpler and the results more certain."

The same electrode is employed that was introduced by me several years since—see 6100 above. The applicator for this class of work was formerly made of copper, but, for the newer method, galvanized iron wire is best suited. Absorbent cotton is loosely wound around the applicator for about three inches, and after being saturated with the solution of Thiosinamin it is replaced in the hard-rubber receptacle and introduced into the prostatic urethra. It is then attached to the positive pole of a constant current battery and a current strength of ten milliamperes is allowed to flow for ten minutes. The negative is the usual abdominal pad. Treatment is given every fourth day."

Fig. 6103. Armstrong-Neiswanger Urethral Electrode, complete with copper, silver and zinc-wire applicators..... 5.00 Evident

Dr. J. J. P. Armstrong's modification of Dr. Neiswanger's electrode shown above intended for application of a solution of the respective metallic salts with the applicators of different metals furnished. Found very effective in treatment of chronic urethritis.

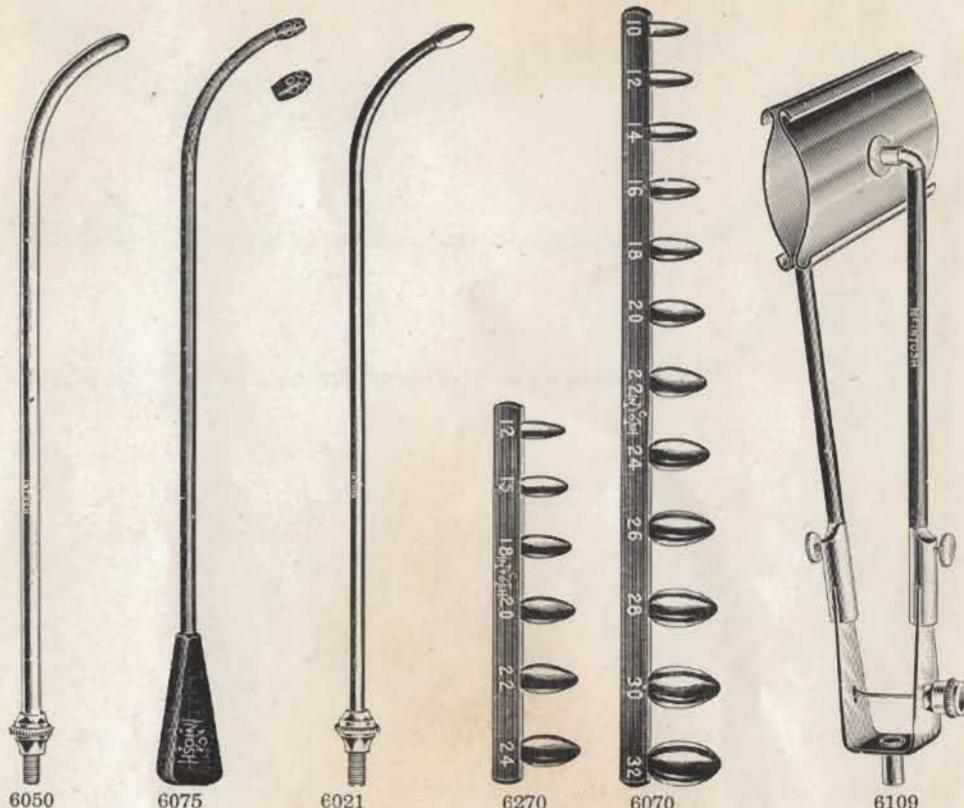
Fig. 6203. Extra Copper Wire Applicator, each..... .75 Espial

Fig. 6303. Extra Zinc Wire Applicator, each..... .75 Erskine

Fig. 6404. Extra Silver Wire Applicator, each..... 1.25 Estoppel

Fig. 6300. Extra Galvanized Iron Wire Applicator, each..... .75 Evangel

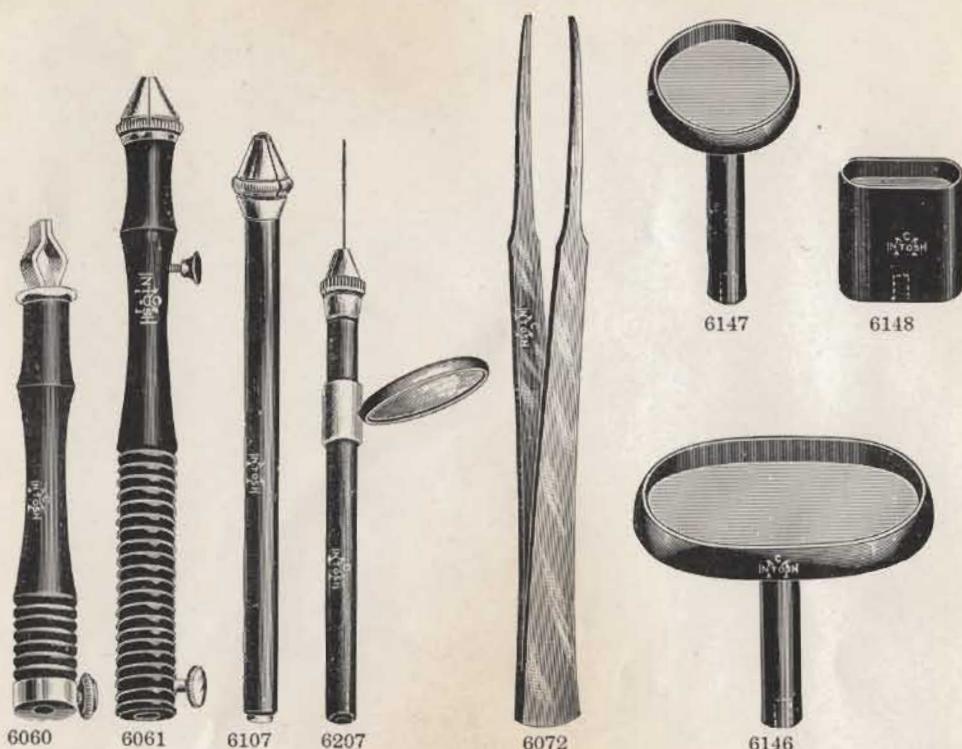
## URETHRAL ELECTRODES



	Code Word
Fig. 6050. Metallic Sound, nickel-plated.....	\$1.25 Emigrate
Fig. 6075. Neiswanger's Urethral Cataphoric Electrode, including two olives, Nos. 18 and 24, French.....	5.00 Empyreal
Has been successfully employed by Dr. Neiswanger for the cataphoric application of Thiosinamin in urethral stricture. The hard rubber olive has a hollow chamber to contain moistened cotton making contact with a platinum terminal.	
Fig. 6175. Hard Rubber Olive for above, size 18 French.....	.85 Enmesh
Fig. 6275. Hard Rubber Olive for above, size 24 French.....	.85 Enshrine
Fig. 6021. Urethral Electrode, insulated with hard rubber.....	1.50 Equerry
Fig. 6270. Assorted Olives, set of six, pure copper, to fit electrode....	3.50 Emerald
Fig. 6070. Olives, nickel-plated, set of twelve, size 10-32 French scale to fit stem No. 6021, used for the treatment of urethral stricture, with the negative galvanic current. (See Neiswanger, figure 26, chapter 24.) Can also be used with the negative galvanic and the sinusoidal current, for the treatment of dysmenorrhea and sterility. (See Neiswanger, figure 23, chapter 24.)	4.50 Entice
Fig. 6170. Separate Olives only, specify size, French scale, each....	.35 Erlking
Fig. 6109. Neiswanger's Varicocele Electrode. To be used with the positive galvanic current. (See Neiswanger, figure 19, chapter 20.)	2.50 Egress

NOTE! Any of the above electrodes with screw terminal, such as No. 6050 and No. 6021 may be attached to a high frequency handle for high frequency treatment, by using Adapter No. 6510 or No. 6511.

## NEEDLE HOLDERS, EPILATION ACCESSORIES, ETC.



	Code Word
Fig. 6060. Hard Rubber Needle Holder .....	\$1.25
Fig. 6061. Hard Rubber Needle Holder, with Interrupter.....	2.25
Fig. 6107. Hard Rubber Needle Holder, round.....	1.00
Fig. 6207. Needle Holder with Magnifying Glass.....	4.50
A very convenient device for use in epilation. The needle holder will receive any size needle, while the lens may be adjusted to the proper focus by means of the sliding sleeve on which it is mounted.	
Fig. 6072. Depilatory Forceps .....	.50
Fig. 6146. Neiswanger's Cataphoric Goitre Electrode.....	3.75
For Neiswanger's latest application of Thiosinamin in the treatment of goitre, in which he has been meeting with marked success.	
Fig. 6147. Dr. Rice's Face Anaesthetizer.....	3.75
Used with great satisfaction with adrenalin and cocaine for anaesthetizing the face preparatory to the electrolytic removal of superfluous hair or treatment of blemishes.	
Fig. 6148. Dr. Rice's Lip Anaesthetizer.....	2.25
Used for the same purpose as above, but especially adapted to anaesthetizing the lip.	

### Needles For Epilation

Fig. 6600. Sharp Steel Needles, per dozen.....	2.00	Erin
Fig. 6600. Sharp Steel Needles, each .....	.18	Erin
Fig. 6601. Hayes' Bulbous Pointed Steel Needles, per dozen.....	2.50	Essex
Fig. 6601. Hayes' Bulbous Pointed Steel Needles, each .....	.25	Essex

## APPLIANCES FOR FACIAL, SCALP AND BODY MASSAGE



	Code Word
Fig. 6011. Massage Roller, nickel-plated, chamois covered.....	\$1.50
Fig. 6128. Bipolar Roller for Facial or Body Massage.....	3.50
Fig. 6035. Hair Brush Electrode.....	1.00
Fig. 6141. Sanitary Hair Brush Electrode.....	4.00

A most unique instrument for Electrical Scalp Treatment: it offers a number of advantages over the ordinary hair-brush electrode, chief of which are the durability of the appliance and the case with which it can be rendered thoroughly aseptic.

Fig. 6015. Comb Electrode, without handle.....	.80	Enchant
Fig. 6415. Comb Electrode, including Universal Handle with set screw.....	1.10	Ephesus

A most practical electrode for scalp treatment, which can be attached to our regular Universal Handle. May be thoroughly sterilized in boiling water.

Fig. 6142. Carbon Cylinder Electrode.....	1.00	Edom
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A very convenient Carbon Electrode, especially suited to applications with the positive pole; size 5 inches in length by  $\frac{1}{4}$  inch in diameter. It was designed by a dermatologist for bleaching the face, but it is useful in any treatment where a non-corrosive electrode of this shape is suitable.

NOTE! All prices in this Bulletin are net 30 days, delivery F. O. B. Chicago, excepting that a discount of 5% will be allowed where cash accompanies the order.